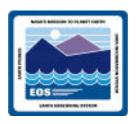


Production Shakedown Steve Marley

smarley@eos.hitc.com

30 October 1995

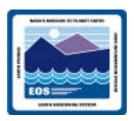
Push Scenarios Phase II



Production Shakedown

- This scenario will explore an operational concept for the use of the ECS during the calibration/validation phase of a new satellite mission. It starts with an overview of the Cal/Val phase, and terminates with the opening up of the advertised collection for general access. The scenario elements we shall concentrate on are:
 - Calibration & Validation
 - Ad Hoc Production for Cal/Val
 - Run-Time Software Error Processing
 - Collection Publication

Calibration & Validation Context Setting



Description

• This scenario outlines an operational concept for the use of ECS in support of Calibration/Validation activities.

Assumptions

• It is assumed that sufficient spare capacity exists in the processing environment to allow for the insertion of Ad Hoc processing jobs directly into the scheduler, without the need for a replan, and without distorting other scheduled jobs.

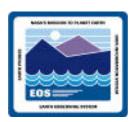
Release B Features

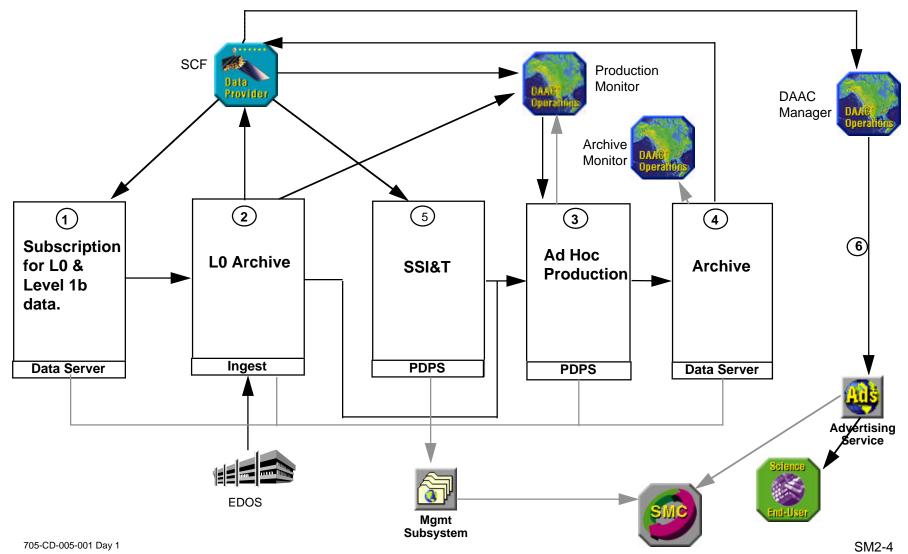
 None - This is an ops concept for how ECS in a Release B time frame can support Cal/Val operations.

Drill Downs

None

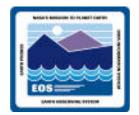
Calibration & Validation Functional Flow





Calibration & Validation

Points of View I



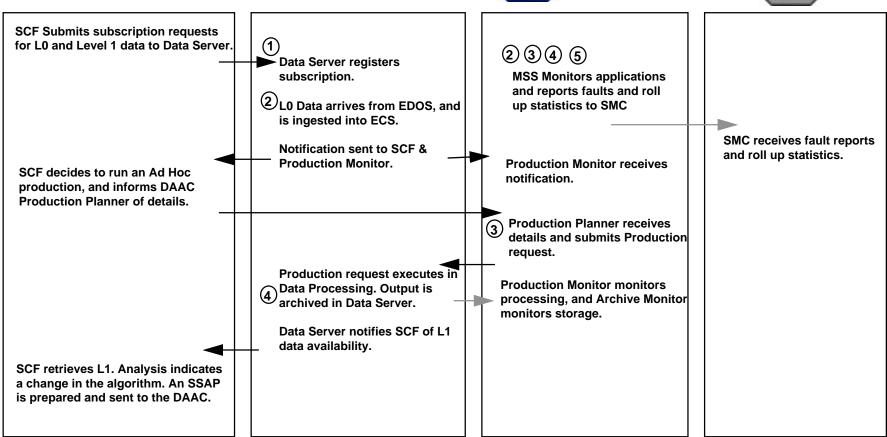






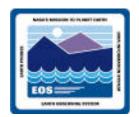
Production Monitor, & Production Planner





Calibration & Validation

Points of View II



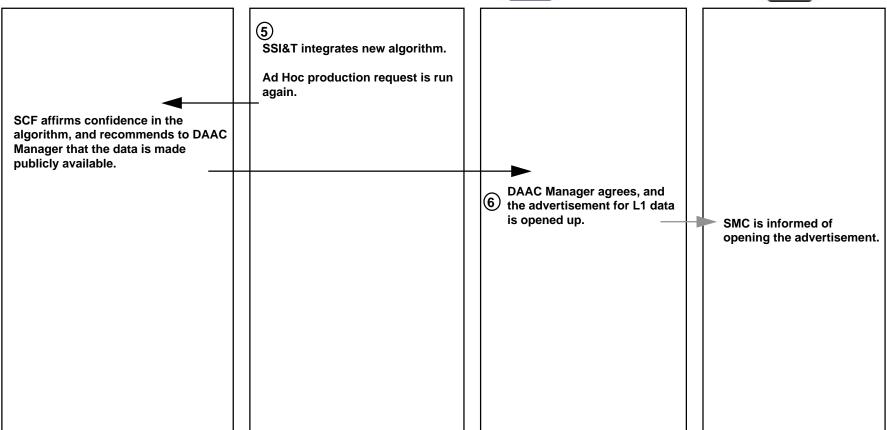




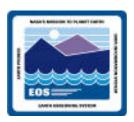


DAAC Manager





Ad Hoc Production for Cal/Val Context Setting



Description

 An SCF asks for a special production run to be performed to produce a nonstandard product in support of Cal/Val

Assumptions

- It is assumed that ALL PGEs used in production have undergone SSI&T.
- It is further assumed that DAAC Management would want to retain control of this process, and so a remote access interface is not discussed in this context.

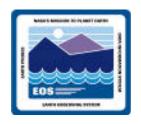
Release B Features

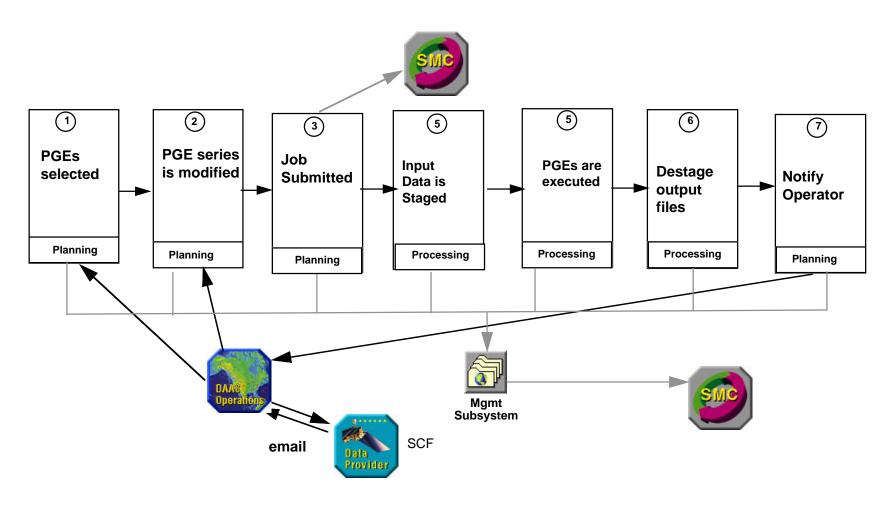
Enhanced operator capability with the Production Request Editor

Drill Downs

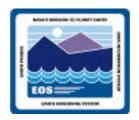
None

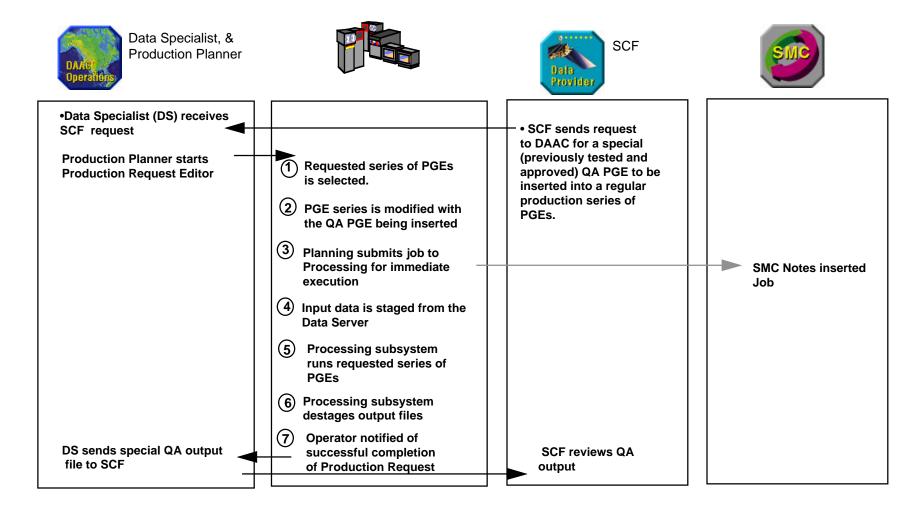
Ad Hoc Production for Cal/Val Functional Flow



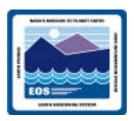


Ad Hoc Production for Cal/Val Points of View





Run Time S/W Error Processing Context Setting



Description

 Science software has suffered an error during execution. ECS software detects the error, generates a trouble ticket, alerts the Production Monitor and saves debug information.

Assumptions

• The terminated software includes routines from the SDP toolkit to gracefully terminate.

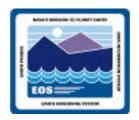
Release B Features

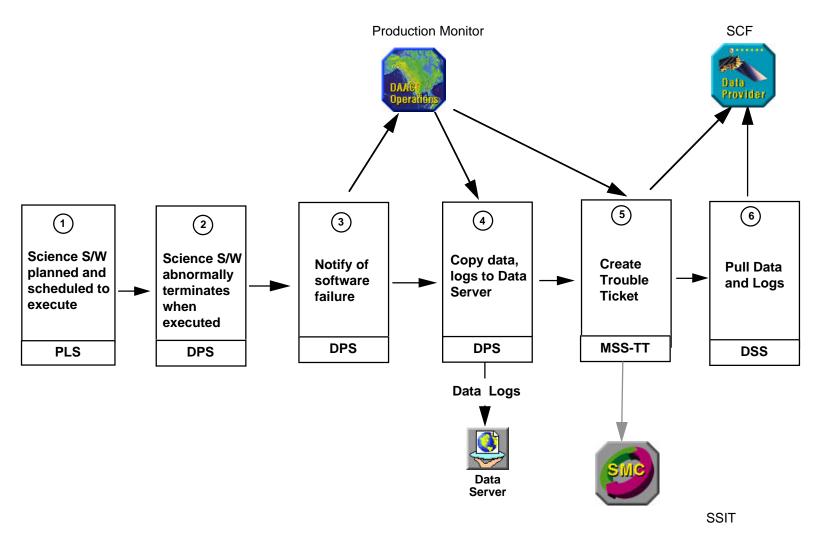
None - Release A functionality. Here for completeness

Drill Downs

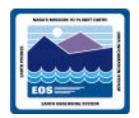
None

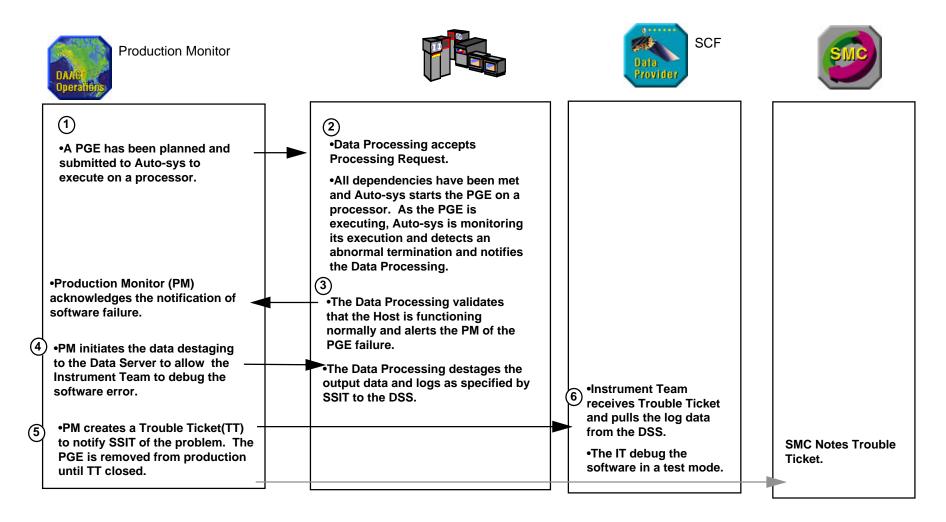
Run Time S/W Error Processing Functional Flow





Run Time S/W Error Processing Points of View





Collection Publication Context Setting



Description

 An existing advertisement is opened up and made available to a broader science user community.

Assumptions

 The advertised services already exist, and authorization for their publication has been granted.

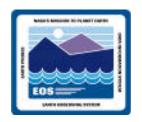
Release B Features

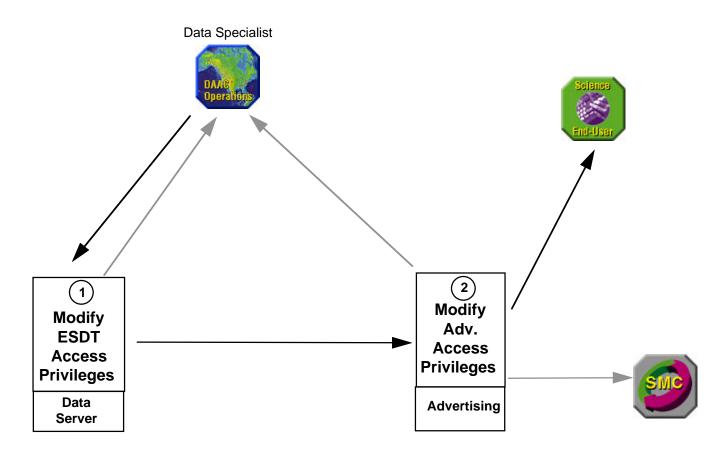
None - Release A functionality shown for completeness

Drill Downs

None.

Collection Publication Functional Flow





Collection Publication Points of View

